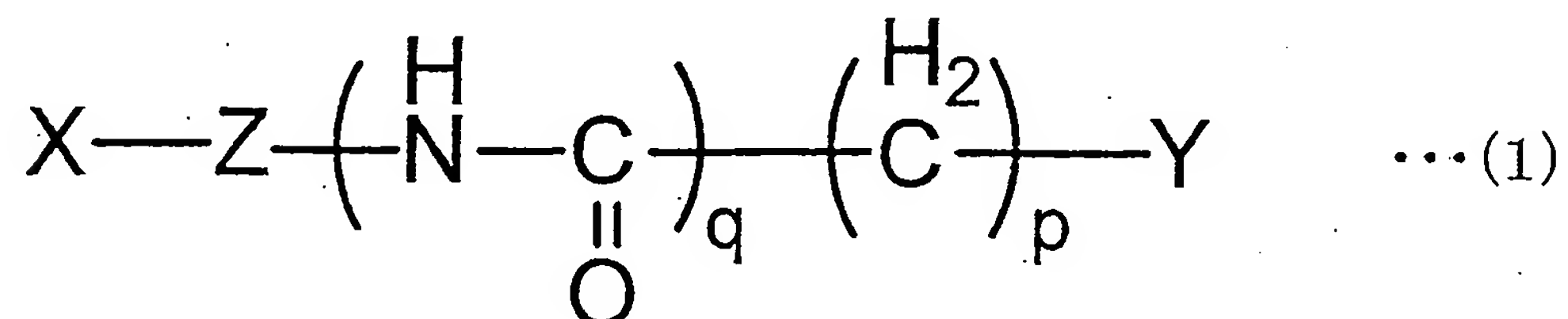ABSTRACT

A novel ligand conjugate which is effectively utilizable for analyzing a function of a protein; a ligand-supporting object; and a method of analyzing a protein. The ligand conjugate has a structure which comprises: a linker compound having a structure represented by the following General Formula (1):

$$X-Z-\left(\underset{\underset{\overset{\|}{C}}{N}-\overset{H}{C}\right)_q\left(\overset{H_2}{C}\right)_p-Y \qquad \cdots(1)$$

(wherein n and p each is an integer of 0 to 6) in which X is a structure comprising one, two, or three hydrocarbon derivative chains which have an aromatic amino group at the end and may have a carbon-nitrogen bond in the main chain, Y is a hydro-carbon structure containing one or more sulfur atoms, and Z is a straight-chain structure comprising a carbon-carbon bond or carbon-oxygen bond; and a sugar which has a reducing end and is bonded to the linker compound through the aromatic amino group.